

ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year January 1986
to Month/Year January 1987

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR: Anaconda Minerals Company MINE NAME: Carr Fork Operations
ADDRESS: 555 Seventeenth Street
Denver, Colorado 80202
PERMIT NUMBER AND DATE OF PERMIT: Act /045/004 August 20, 1980
REPRESENTATIVE: R. L. Dent
SECTION(S): 13,24,23,17 TOWNSHIP(S): 35 RANGE(S): 4W
18,19,20,21,28 35 3W
MINERAL(S) MINED: Copper
STATE AND/OR FEDERAL MINERAL LEASE NUMBERS: #26976 - #29634
(Now transferred to Kennecott)
SPECIAL USE PERMITS AND/OR RIGHTS-OF-WAY: #382 Utah Division of Lands and
Forestry (now transferred to Kennecott)

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

Disturbance

Acreage

Pit
Roads
Facilities
Waste Dumps
Other

Underground mine (Transferred to Kennecott
September 1985)

20

512

(b) Tabulation of acreage affected to date (by years).

Date by Year

Acreage (Total)

1975

1976

1977

1978

1979

1980

1981

1982

1983

1984 - 1986

532

532

532

532

} All reclaimed in 1986

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

SOIL TABULATION CHART

Area Affected (in mining sequence)
(If more space is needed, please attach.)

Area
1 2 3 etc.

N/A

Acreage of Area

Depth of Topsoil Removal (inches)

Depth of Topsoil Replacement (inches)*

Estimate of Topsoil Volume Salvaged (yd³ or ac ft)

Volume Actually Salvaged (yd³ or ac ft)

Volume Required for Reclamation (yd³ or ac ft)

Surplus or Deficit Volume (yd³ or ac ft)

Storage Status (short- or long-term)

Soil Tabulation Chart (continued)

Area Affected (in mining sequence)	Area			
	1	2	3	etc.
	N/A			
Storage Location				
Area Where Soil Has Been Used (if not stored)				
Running Total (all stockpiles) (yd ³ or ac ft)				
Short-term				
Long-term				

*Of previously stripped area recently reclaimed.

(a) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
N/A		

(e) Tabulation of quantity of commodity mined.

	<u>Commodity</u>	<u>Tonnage</u>
(Mined)	N/A	
(Milled)	N/A	

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to:

1. Buildings and support facilities.
N/A

2. Roads.
N/A

3. Diversion ditches, collector ditches, interceptor ditches, etc.
The mine site (Anaconda's portion) was reclaimed in 1986 as per approved
DOGM plan - included construction of new drainage system.

4. Culverts.
See #3

5. Sediment ponds, containment ponds.
See #3 - Sediment ponds were modified at Tooele County request for flood
control of Pine Canyon Creek.

6. Monitoring sites (vegetative, air quality, surface subsidence,
surface water or ground water, etc.).
See #3

7. Topsoil stockpiles.
N/A See #3

(g) Description of any environmental problem areas with a proposed plan
for mitigation and illustration on a map, including, but not limited to:

1. Pit stability problems.
N/A

2. Subsidence.
None apparent

3. Accidental water discharge, dam failure, etc.
None

4. Slumping, sliding or erosion.
Continues in Baltimore Gulch -- area now controlled by Kennecott.

5. Revegetation problem areas.
N/A

6. Existence and location of unsuitable (toxic) overburden.
N/A

RECLAMATION:

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas. See Reclamation Plan submitted to DOGM and approved in 1986. All backfill, grading & re-contouring was
Area Acreage completed in 1986.

2. Topsoiled areas. See #1.

Area

Acreage

All areas described in Rec/Stab. Plan were topsoiled in 1986 -- see plan for acreages.

3. Seeded areas.

<u>Area</u>	<u>Acreage</u>
All areas described in the Rec/Stab Plan were seeded in 1986 -- see Plan for details.	

4. Reseeded areas (areas previously seeded, then seeded again).

<u>Area</u>	<u>Acreage</u>
N/A	

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

<u>Year</u>	<u>Acreage</u>
1975	
1976	
1977	
1978	
1979	
1980	
1981	
1982	
1983	
1984	
1986	700+ acres

(c) Description of the reclamation procedures used during the report period, including:

1. Average depth of topsoil applied.

One to two feet as referenced in Rec/Stab Plan. See Plan for details

2. Type of seed (species) used for seeding during the report period.
See Rec/Stab Plan for details

3. Date of seeding during the report period.

Spring

Fall

Seeding took place during the months of November-December 1986.

4. Seeding procedures used.

(Hand broadcast or drilled or any other).

Drilled and hand broadcast

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)

See Rec/Stab. Plan for details

6. Type and rate of fertilizer applied.

See Rec/Stab. Plan for details

7. Type and rate of mulch applied.

See Rec/Stab. Plan for details

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).

None.

9. Revegetation test plot information.

(Cover, density, productivity, etc.)

N/A

10. Soil analysis results.

See Rec/Stab Plan for details

(d) Description of results of previous revegetation efforts, including:
(This should be done as applicable.)

1. Types (species) of seed that have germinated and are growing.
Site reclaimed in 1986 — See Reclamation Stabilization Plan on
file at DOGM.

2. Types (species) of seed that are not growing successfully.
See above

3. Areas experiencing problems with weeds and weed types.
See above

4. Significant erosional problems.
See above

5. Areas of unsuitable overburden on the surface as related to
revegetation failure.
See above

6. Procedures used or proposed to correct these problems.
See above

7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
N/A -- Reclamation to continue in Spring of 1987 with planting of containerized stock.		

8. Results of soil analysis.

See above.

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

	<u>Acres</u>	<u>Cost/Acre</u>
1. Grading		
2. Backfilling		
3. Contouring		
4. Topsoil Replacement		
5. Seeding		
A. Seedbed Preparation		
B. Mulch		
C. Fertilizer		
D. Seed		
6. Other		

Total project cost to date \$3,136,496

BOND INFORMATION:

- A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	<u>Amount</u>	<u>Type</u>	<u>Date Posted</u>
Present Bond	<u>None</u>	<u>Refer to 8/20/80 contract</u>	

Increased disturbance, if any:

Increased Bond Amount (attached reclamation estimate).

B. Bond release.

<u>Acres</u>	<u>Bond Amount Released</u>	<u>Date</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

- (a) Permit stipulations (status).
- (b) Other special conditions (status).

APPENDIX I

ANNUAL REPORT MAPS

1. Maps must be clear and legible contour maps or recent aerial photos. The scale should be 1 inch = 500 feet to adequately show topographic features.
2. Map sheets should be of a reasonable size, not to exceed 48 inches on a side.
3. Maps must have a title block with:
 - A. Map title.
 - B. Name and address of permittee.
 - C. Permit and amendment numbers.
 - D. Annual report period.
 - E. Scale, north arrow, contour interval, date of photography, etc.
4. All maps must show:
 - A. Legal subdivisions.
 - B. Permit area boundary clearly shown and labelled.
 - C. Amendment areas clearly shown and labelled.
 - D. Contour features.
5. The following features should all be clearly identified:
 - A. Topsoil stockpiles (numbered and with volumes).
 - B. Settling ponds and sediment control structures.
 - C. Haul roads.
 - D. Pits identified by location, name, number, etc.
 - E. Ramps (numbered).
 - F. Out-of-pit spoil dumps.
 - G. All waste disposal sites including, but not limited to:
 1. Landfill sites.
 2. Carbonaceous waste dumps.
 - H. Diversion ditches.
 - I. Monitoring sites.
6. All areas to be affected by mining and reclamation in the coming year should be outlined and labelled.

ANACONDA Minerals Company
555 Seventeenth Street
Denver, Colorado 80202
Telephone 303 293 4000

Encls Files

ACT/045/004

more file



January 13, 1987

RECEIVED
JAN 16 1987

DIVISION OF
OIL, GAS & MINING

Mr. Lowell P. Braxton
Administrator
Mineral Resource Development and
Reclamation Program
Utah Department of Natural Resources
Division of Oil, Gas & Mining
355 West North Temple
Suite 350
Salt Lake City, Utah 84180-1203

FILE COPY

Dear Mr. Braxton:

Enclosed please find a completed copy of the Annual Operations and Progress Report (MR Form 3) for 1986.

As you are well aware, we were very active at the Carr Fork site during the Summer and Fall of 1986 conducting active reclamation. Phase I of this work, which included all of the earth moving, grading, seeding, and surface water diversion, was completed in mid-December. All that remains to be completed is the planting of the containerized stock. This work is scheduled to begin in the early Spring of 1987 and should be completed by June of 1987. The maps included in the Reclamation/Stabilization Plan approved by your Department in 1986 should serve as accurate documentation of what was done on this site in 1986. If your staff needs additional detail, please advise.

Sincerely,

R. L. Dent
Manager
Western Minerals Projects

RLD:nc

Enclosure